veritas®

Micro-Adjust Wheel Marking Gauge

U.S. Des. Pat. D517,931

The Veritas® Micro-Adjust Wheel Marking Gauge allows for unprecedented marking accuracy. The wheel cutter cuts wood fibers rather than tears them, and since it is sharp, bevelled only on the inside and non-rotating, it continuously forces the gauge face against the workpiece. The wheel cutter can be retracted into the face of the gauge for upright storage, protecting it from accidental damage. The two-stage clamping function of the collet and thumbscrew allow for both gross and fine adjustment of the wheel cutter projection.

Setting your Gauge

To set the gauge, first release the body by loosening the thumbscrew counter-clockwise about half a turn. Hold the collet and rotate the body so that there is about a 1/8″ (3mm) gap between the body and the knurled portion of the collet. Second, release the rod from the collet by holding the black knurled portion with one hand and loosening the nut with the other about half a turn or until the rod can be pushed through the body with little resistance.

To obtain the gross setting, slide the rod through the body to the desired projection. Lock this setting by holding the collet (black knurling) in one hand and tightening the nut with the other. Once tight, the nut, collet and rod will be locked together and will rotate as one. Fine adjustment can then be achieved in one of two ways. You can either hold the body and rotate the nut, collet or rod in either direction, or hold the nut, collet or rod while rotating the body in either direction, as shown in **Figure 2**. One full revolution changes the projection of the wheel cutter from the face of the body by 1/32″ (~0.8mm). Tighten the thumbscrew to lock the projection.

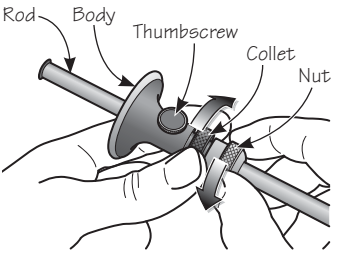

Figure 1: Locking and unlocking the collet.

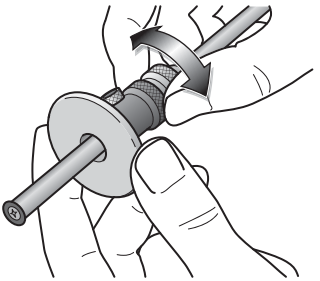

Figure 2: Using the fine adjustment.

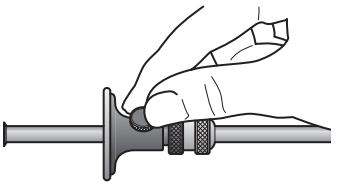

Figure 3: Locking the thumbscrew.

Small corrections can be made by loosening the thumbscrew and adjusting the projection as described above.

The gauge has a micro-adjust range of 3/16″ (5mm). Any adjustment beyond this amount requires repositioning of the gross setting and may necessitate resetting the gauge entirely.

Transferring Dimensions

Your micro-adjust marking gauge excels at transferring dimensions. By setting the projection of the wheel cutter to a known dimension, such as the depth of a mortise, you can easily transfer that dimension to mark the tenon's length.

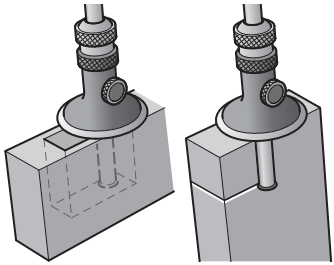

Figure 4: Transferring dimensions.

Sharpening

Although the wheel cutter is hardened, over time it will need to be resharpened. Remove the securing screw, then the wheel cutter, and lap the face (non-bevelled side) of the cutter on a stone.

Note that the wheel cutter is not intended to rotate. Tighten the screw securely when re-installing the wheel cutter.

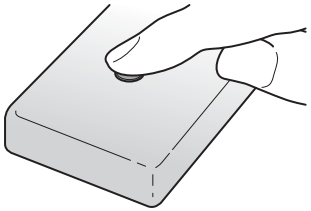

Figure 5: Sharpening the wheel cutter.

Accessories

05N33.21	Standard Wheel Marking Gauge, Plain Rod
05N33.22	Standard Wheel Marking Gauge, Imperial Rod
05N33.23	Standard Wheel Marking Gauge, Metric Rod
05N35.10	Micro-Adjust Wheel Marking Gauge, Plain Rod
05N35.20	Micro-Adjust Wheel Marking Gauge, Imperial Rod
05N35.21	Micro-Adjust Wheel Marking Gauge, Metric Rod
05N35.11	Replacement Wheel Cutter

veritas® Tools Inc.

814 Proctor Avenue
Ogdensburg NY 13669-2205
United States

1090 Morrison Drive
Ottawa ON K2H 1C2
Canada

customerservice@veritastools.com
www.veritastools.com